



C 2f C

1117.68336

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s): Takahiro Sasaki )  
Serial No.: 10/665,225 )  
Conf. No.: 6264 )  
Filed: September 18, 2003 )  
For: LIQUID CRYSTAL DISPLAY )  
DEVICE AND LIQUID )  
ORIENTATION METHOD )  
Art Unit: 2871 )  
Examiner: Duong, Thoi V. )  
Patent: 7,230,665 )  
Issued: June 12, 2007 )

*I hereby certify that this paper is being deposited with the United States Postal Service as FIRST-CLASS mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this date.*

07/31/07

Date

Attorney for Applicant(s)  
Reg. No. 29,367

*Certificate  
AUG 07 2007  
of Correction*

REQUEST FOR CERTIFICATE OF CORRECTION UNDER RULE 322

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450  
ATTN: Certificate of Corrections Branch

Dear Sir:

In accordance with 37 C.F.R. § 1.322, patentees, through their attorneys, respectfully request that a Certificate of Correction be issued in the above-referenced patent.

The errors occurred as a result of mistakes on the part of the Patent and Trademark Office and the changes include the following:

*AUG 7 2007*

On the Patent Face:

Under "Inventors", please delete the following names: Arihiro Takeda, Shingo Kataoka, Tsuyoshi Kamada, Kazuya Ueda (Amendment for Correction of Inventorship dated 8/30/04).

**REMARKS**

A Certificate of Correction incorporating the delineated change is enclosed in duplicate herewith. Since the mistakes were on the part of the Patent and Trademark Office, a Certificate of Correction should be issued without expense to the patentee and such is respectfully requested.

Respectfully submitted,

GREER, BURNS & CRAIN, LTD.

By



Patrick G. Burns  
Registration No. 29,367

July 31, 2007

300 South Wacker Drive  
Suite 2500  
Chicago, Illinois 60606  
Telephone: 312.360.0080  
Facsimile: 312.360.9315

Customer No. 24978

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.  
(Also Form PTO-1050)

## UNITED STATES PATENT AND TRADEMARK OFFICE CERTIFICATE OF CORRECTION

PATENT NO : 7,230,665  
DATED : Jun. 12, 2007  
INVENTOR(S) : Takahiro Sasaki

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

On the Patent Face:

Under "Inventors", please delete the following names: Arihiro Takeda, Shingo Kataoka, Tsuyoshi Kamada, Kazuya Ueda.

MAILING ADDRESS OF SENDER:

Patrick G. Burns  
GREER, BURNS & CRAIN, LTD.  
300 South Wacker Drive, Suite 2500  
Chicago, IL 60606

PATENT NO 7,230,665

No. of additional copies 1



Burden Hour Statement: This form is estimated to take 1.0 hour to complete. Time will vary depending upon the needs of the individual case. Any comment on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

AUG 7 2007



1117.68336

## PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re U.S. Patent Application )  
Applicant: Takeda et al. )  
Serial No. 10/665,225 )  
Filed: September 18, 2003 )  
For: LIQUID CRYSTAL DISPLAY )  
DEVICE AND LIQUID )  
CRYSTAL ORIENTATION )  
METHOD )  
Art Unit: 2871 )  
Examiner: Duong, Thoi V. )

I hereby certify that this paper is being deposited with the United States Postal Service as FIRST-CLASS mail in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450, on this date.

August 30, 2004Date  
F-CLASS.WCM

Appr. February 20, 1998

E. Joe T.  
Registration No. 41,895

Attorney for Applicant

AMENDMENT FOR CORRECTION OF INVENTORSHIP UNDER 37 C.F.R. 1.48(b)

With the cancellation of Claims 1-12 and 18-33, a change in inventorship is necessary. Applicants request that the names of Arihiro Takeda, Shingo Kataoka, Tsuyoshi Kamada, and Kazuya Ueda be deleted as joint inventors as these inventors' contributions are no longer being claimed in this Divisional Application. The transmittal letter for this application should be disregarded for purposes of inventorship. Therefore, the sole inventor in the above-named Application is Takahiro Sasaki.

In fulfillment of the requirements of 37 C.F.R. §1.48, a check for \$130.00, the fee set forth in 37 C.F.R. 1.17(h), is also enclosed herein.

AUG 7 2007

Applicants respectfully request entry of this Amendment for Correction of Inventorship because the proper procedures required under 37 C.F.R. §1.48(b) are believed to have been followed.

Respectfully submitted,

GREER, BURNS & CRAIN, LTD.

By



B. Joe Kim  
Registration No. 41,895

August 30, 2004

300 South Wacker Drive  
Suite 2500  
Chicago, Illinois 60606  
Telephone: 312.360.0080  
Facsimile: 312.360.9315

P:\DOCS\1117\68336423193.DOC

AUG 7 2007



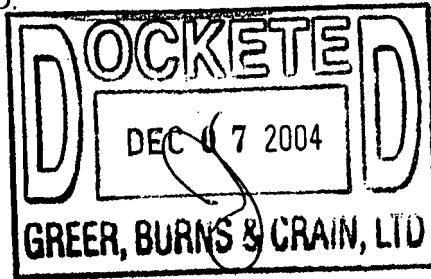
# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/665,225	09/18/2003	Arihiro Takeda	1117.68336	6264

7590 12/01/2004

Patrick G. Burns, Esq.  
GREER, BURNS & CRAIN, LTD.  
Suite 2500  
300 South Wacker Drive  
Chicago, IL 60606



EXAMINER

DUONG, THOI V

ART UNIT

PAPER NUMBER

2871

DATE MAILED: 12/01/2004

Line 3-105

Please find below and/or attached an Office communication concerning this application or proceeding.

01 DEC - 6 2004 7:28

ALL 7 2007

### **DETAILED ACTION**

1. This office action is in response to the Amendment filed September 02, 2004.

Accordingly, claims 1-12 and 17-33 were cancelled. Currently, claims 13-16 are pending in this application.

#### ***Inventorship***

2. In view of the papers filed September 02, 2004, the inventorship in this nonprovisional application has been changed by the deletion of Arihiro Takeda, Shingo Kataoka, Tsuvoshi Kamada, and Kazuva Ueda. The sole inventor in the application is Takahiro Sasaki.

The application will be forwarded to the Office of Initial Patent Examination (OIPE) for issuance of a corrected filing receipt, and correction of Office records to reflect the inventorship as corrected.

#### ***Response to Arguments***

3. Applicant's arguments with respect to the rejection(s) of claim(s) 13-16 under Takeda et al. have been fully considered and are persuasive. Therefore, the rejection has been withdrawn. However, upon further consideration, a new ground(s) of rejection is made in view of USPN 6,710,837 B1 of Song et al..

#### ***Claim Objections***

4. Claim 16 is objected to because of the following informalities: claim 16 recites the limitation "said liquid crystal molecules" in line 2. There is insufficient antecedent basis for this limitation in the claim.

Appropriate correction is required.

AUG 7 2007  
AUG 7 2007